```
Chapman, David. txt
                                  320 South Boston
18
                                  Suite 700
                                  Tul sa, 0K 74103
19
     FOR GEORGE'S:
20
                                  Mr. James Graves
                                  Attorney at Law
21
                                  221 North College
                                  Fayetteville, AR 72701
22
23
     ALSO PRESENT:
                                  Mr. William Desvouges
24
25
0003
                                 DEX
                             Ν
 2
3
     WITNESS
                                                    PAGE
     DAVID CHAPMAN
 5
               Direct Examination by Mr. Deihl
               Direct Examination by Mr. Graves
                                                          232
              Direct Examination by Mr. Hixon
 6
                                                          240
              Direct Examination by Mr. Elrod
Cross Examination by Ms. Xidis
                                                          252
 7
                                                          254
     Signature Page
 8
                                                          256
     Reporter's Certificate
                                                          257
 9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
0004
 1
                   (Whereupon, the deposition began at
 2
     8:35 a.m.)
                 VIDEOGRAPHER: We are now on the Record for
 4
     the deposition of David Chapman.
                                            Today is April
 5
                                             Counsel, please
     6th, 2009.
                   The time is 8:35 a.m.
                                                                             08: 35AM
 6
7
     identify yourselves for the Record?

MR. DEIHL: I'm Colin Deihl representing
 8
9
     Cargill.
                 MR. HI XON:
                              Philip Hixon representing
10
     Peterson Farms:
                                                                             08: 36AM
11
                 MS. XIDIS:
                              Claire Xidis for the State of
12
     Okl ahoma.
13
                 MS. MOLL:
                             Ingrid Moll for the State of
14
     Oklahoma.
                                 And on the phone, please? Vicki Bronson for Simmons
15
                 VI DEOGRAPHER:
                                                                             08: 36AM
                 MS. BRONSON:
16
17
     Foods.
18
                 VI DEOGRAPHER:
                                  Thank you. You may swear in
19
     the witness.
                              DAVID CHAPMAN
20
     having first been duly sworn to testify the truth,
21
                                            Page 2
```

	Chapman, David.txt	
25 0017	another one that we started there are two that we	08: 54AM
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	started investigating options to conduct contingent valuation studies and moved in different directions. Q So you did not actually conduct contingent valuation studies in these two investigations that you're not at liberty to talk about? A You mean undertake them, complete them? MS. XIDIS: Object to form. Q Correct.	08: 55AM
	A No. Q Did Stratus consult with any attorneys for the plaintiffs prior to the lawsuit being filed in this	08: 55AM
	case? A I don't know. I don't know who at Stratus has talked to the plaintiff attorneys, and I actually don't know when the lawsuit was filed here, so I can't answer that question. I'm sorry. Q Were you aware that the lawsuit were you aware at the time the lawsuit was filed that the lawsuit was filed, you personally?	08: 56AM
	MS. XIDIS: Objection to form. A lactually can't follow the question. Sorry. Q Well, you know that a lawsuit was filed in this case; correct?	08: 56AM
23 24 25 0018	A Yes. Q Did you know at the time the lawsuit was filed	08: 56AM
0018 1 2 3 4 5 6 7 8 9 10 112 13 14 15 16 17 18 19 22 12 23 24	that the lawsuit was being filed by the plaintiff's attorneys? A I actually don't know when the lawsuit was filed.	
	Q I understand you don't know sitting here today when the lawsuit was filed. My question is, were you consulted about the complaint at the time the complaint was filed?	08: 56AM
	A I don't know. Q Okay. You don't recall any conversations with plaintiff's attorneys about should we or should we not file a lawsuit in this case?	08: 56AM
	A I don't remember that, but, again, I don't know when the complaint was filed, so I can't tell you whether I had conversations when the complaint was filed.	08: 57AM
	Q I'm not asking you for a point in time. I'm asking you if you consulted with plaintiff's attorneys about the advisability of filing a lawsuit in this case? A I may have. I don't remember. Q You said a little bit earlier that you thought your first involvement in this matter was in 1986. Did I get that right?	08: 57AM
25 0019	MS. XIDĪS: Objection.	08: 57AM
1 2 3 4	Q I mean 2006. A I said I wasn't specifically it was either late 2005 or early 2006. I can't remember specifically.	
5 6 7 8 9	And what was your first involvement in the matter; what were you asked to do? A As I said before, I was asked to think about different approaches to investigating potential natural resource damages at the site. Page 8	08: 57AM

10 11 12 13	Chapman, David.txt Q And who asked you to think about that? A As I said before, I think David Allen did. Q Did you have any conversations with any of the attorneys about potential approaches to natural	08: 58AM
13 14 15 16 17 18 19 20 21 22 23 24 25 0020 1 2 3 4 5 6 7 8	resource damages at about that same time? A I might very well have. Q Did you talk to Joe Rice? A Joe Rice? I can't say yes or no. I don't specifically know whether I talked to Joe Rice.	08: 58AM
	Q Do you know who Joe Rice is? A As I sit here today, I don't. Q Okay. How about Bill Norwood; do you know who he is?	08: 58AM
	A I couldn't pick him out of a room. I don't know who he is. I'm sorry. Q Do you know if you've ever talked to him?	08: 58AM
	A I do not know if I've ever talked to him, no. Q What about Fred Baker? A I've talked to Fred Baker. Q Okay. Did you talk to Fred Baker at the time you were asked to assess natural resource to look at potential natural resource damages in this case? A I might very well have, but I don't know specifically.	08: 59AM
9 10 11	Q What's Mr. Baker's role in this matter? MS. XIDIS: Objection. A I don't know.	08: 59AM
12 13 14 15 16 17 18 19 20 21 22 23 24 25 0021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Q I'm going to you said I think earlier that initially Mr. Allen at Stratus asked you to become involved in this matter? A I said I think Mr. Allen. Q What's Mr. Allen's role in connection with Stratus' work in this matter? A I don't know all of his role. Again, he's a	08: 59AM
	vice president at our company, and he's worked on a suite of different projects, and so I don't speak to him about this project on a regular basis. So I actually don't know what his role or what his role	08: 59AM
	at that time was. Q Do you know who Kevin Boyle is? A Yes. Q What is Mr. Boyle's role in connection with	09: 00AM
	this project? A I don't know specifically what his role is. Q Have you had any conversations with Mr. Boyle regarding this project? A Yes. Q And you don't know specifically what his role is?	09: 00AM
	A Well, he my understanding is he works for the attorneys, and he's been engaged in sort of discussions with us about what we're doing and	09: 00AM
	understanding what we're doing. Q How do you view your role in this project? A It was multifaceted, I think my role. I did a number of different activities on the project. I helped coordinate the project. I conducted preliminary investigations. I helped with the analysis of the results. I helped oversee and	09: 01AM
	coordinate the collection of survey data. I worked in the report writing. I was a point of contact for Page 9	09: 01AM

```
Chapman, David.txt
                        MS. XIDIS:
                                           Colin, can we mark this as an
 3
        exhi bi t?
                        MR. DEIHL: MS. XIDIS:
                                           It's been marked.
       MS. XIDIS: Oh, okay. I guess just for clarity of the Record then, Exhibit 1 is the Bill Breffle E-mail dated Thursday, December 9th, 2004.

Q Mr. Chapman, I've handed you what's been marked as Deposition Exhibit No. 2, an E-mail dated December 10th, 2004, from David Allen to a number of
 5
                                                                                                              09: 14AM
 6
7
 8
 9
10
                                                                                                             09: 14AM
        recipients, including yourself, regarding potential timelines for injury and economic studies; is that
11
12
13
        correct?
       A Yes, that's what it says here.
Q And you received this E-mail on or about December 10th, 2004?
14
15
                                                                                                              09: 14AM
16
                   Yes.
17
18
                   Again, what's Mr. Allen's position?
19
                   He's a vice president in our firm.
20
                   If you take a look at the first full sentence
                                                                                                              09: 15AM
       of this E-mail -- I guess it's the second sentence,
21
       on the terms of a moratorium on litter spreading. Do you know what negotiations Mr. Allen is referring to?
22
23
        it says negotiations so far have been highly focused
24
25
                                                                                                              09: 15AM
0030
                   I do not.
 1
 2
3
4
                   Were you involved in any negotiations?
                   I don't believe I was.
       Q If you read a little further on, it appears that he's talking about negotiations between the State of Oklahoma and the potential defendants in this case. Is that how you read this E-mail?
A I don't know where specifically. I haven't gotten to that part the E-mail yet.
 5
                                                                                                              09: 16AM
 6
 7
 8
 9
10
                   Okay. Why don't you take your time and look
                                                                                                              09: 16AM
11
        at that.
                  Okay.

MR. DEIHL: Could you read back the last
12
13
14
       question, please?
       (Whereupon, the court reporter read back the previous question.)

A There's a lot of things in this E-mail. Is
15
                                                                                                              09: 17AM
16
17
18
        there a specific location here?
       Q Well, if you look at the first full paragraph, it talks about the negotiations appear to me
19
20
                                                                                                              09: 18AM
        unlikely to produce an agreement quickly enough to prevent the AG from filing early in 2005. Do you
21
22
23
        see that phrase?
                   The negotiations appear -- yes, I see that.
24
25
                   Would that indicate to you that these
                                                                                                              09: 18AM
        Q
0031
        negotiations were occurring prior to the Attorney
        General of the State of Oklahoma filing this
 2
3
4
5
        Lawsuit?
                   I can't speak to what David was thinking here.
       O Okay. So you just don't know?

A I really don't know. I'm sorry.

O Okay. In your review of this E-mail, did you see any mention of a contingent valuation
                                                                                                              09: 18AM
 6
7
 8
 9
        methodol ogy?
10
                   The total value study.
                                                                                                              09: 19AM
11
                   Okay.
                            Is total value study the same as
12
        contingent valuation?
```

	Chapman, David.txt	
12 13	A If I'm looking to measure damages at a particular water body, visitation could be one of	
14 15	the things to consider. Q Did Stratus consider it in connection with	09: 56AM
16 17	this project?	0 7 . 0 0 7 mil
18	A We did this study to look at that, and I know we collected	
19 20	Q This study didn't look at visitation rates; correct?	09: 56AM
21	A Yes, it did.	0 7 . 0 0 7 iiii
22 23	Q Oh, it did. So you measured change in visitation from the 1980s to the present?	
24 25	A No. We measured visitation during this period of the study.	09: 57AM
0049		07. 377 W
1 2	Q Okay, but you didn't compare it to any other period of time; correct?	
2 3	A Not in this study here, no, we didn't.	
4 5 6 7	change in viśitation to these water resources	09: 57AM
6 7	A Yes. Q over time?	
8 9	A Yes.	
10	Q Where did you do that? A Looking at available statistics, talking to	09: 57AM
11 12	people in the region, talking to resource managers. So we looked at a number of different sources of	
13	available data.	
14 15	Q And what conclusion did you reach based on that data?	09: 57AM
16 17	A That overall, visitation was increasing. Q Why did you not include the results of this	
18	intercept survey in your CV report?	
19 20	A It wasn't relevant to the CV report. Q Why not?	09: 58AM
21 22	A Because the CV report did its own sampling and focused on total values, and this information just	
23	wasn't relevant to it.	
24 25	Q So to what were you trying to determine in the CV report, in the CV study?	09: 58AM
0050 1		
2	A The CV study used commonly accepted and practiced methods of calculating the value that the	
3 4	public in Oklahoma placed on not having the Illinois River and Tenkiller Lake in the state it will be in.	
5	Q In the state it will be in?	09: 59AM
6 7	A In the environmental conditions as described. Q So it's the purpose of the CV study is to	
8 9	calculate the value that the public in Oklahoma placed on having the Illinois River and Tenkiller	
10	Lake in the environmental condition as described in	09: 59AM
11 12	the contingent valuation study? A For not having. It's the measure it's a	
13 14	total value measure of damages, one of the categories. It's not comprehensive, but it covers	
15	many of the categories.	09: 59AM
16 17	Q And you didn't find it relevant to the contingent valuation study what the users of the	
18 19	resource thought about the condition of the resource?	
20	A In the contingent valuation study, there are	10: 00AM
21 22	both users and non-users of the resource, and their opinions and views are presented in the contingent	
	Page 21	

Chapman, David. txt valuation study. 24 When you say their opinions and views are 25 presented in the contingent valuation study, whose 10: 00AM 0051 opinions and views? 2 The users and non-users of the Tenkiller Lake 3 and the Illinois River system. And the recreation intercept study also evaluates the opinions of the users of Tenkiller Lake and the Illinois River; correct? 10: 00AM 6 7 Yes, to some degree. O Okay. So why wouldn't you refer to the results contained in the intercept study when looking at the use value that users reflect in the contingent valuation study? 8 10 10: 01AM 11 This is a biased limited view of that. 12 Why is it a biased and limited view? 13 A Because it only collects information from a subset of the public of Oklahoma, which is users who 14 15 10: 01AM continue to use the Illinois River and Tenkiller 16 Lake. It also includes people from out of state who use the Tenkiller Lake and the Illinois River, and so this is not directly comparable to the information collected in the contingent valuation 17 18 19 20 10: 01AM 21 study. So you consider it to be a biased view to talk 22 23 to the individuals who actually use the resource and 24 an unbiased view to talk to individuals who may have never used the resource? 25 10: 01AM 0052 MS. XIDIS: Object to the form. Could you please repeat? You consider it biased to talk to the 2 4 individuals who actually used the resource and unbiased to talk to individuals who have never used 5 6 7 10: 02AM the resource? MS. XIDIS: Same objection. 8 That's not what I said. 9 0 Okay. Well, you said this is a biased view; 10 correct? 10: 02AM 11 I said this is a -- yeah, I said a biased Α 12 view. 13 Okay. This is a biased view, and these -this survey surveyed the people who were using this resource in the summer of 2006; correct? 14 15 10: 02AM 16 Yes. 17 Okay, and it's -- and why is it a biased view? A Because it doesn't fully represent the total views of all the people of Oklahoma about this 18 19 20 resource. 10: 02AM 21 So the people who are most familiar with the resource, the people who are actually using the resource in the summer of 2006, that's considered a 22 23 24 biased view, but those people who may not have used the resource during the summer of 2006 or at any 25 10: 02AM 0053 time, you surveyed those people and that's an unbiased view; is that your testimony here? MS. XIDIS: Object to the form. 1 2 3 4 5 Why is it less biased to do a contingent 10: 03AM 6 7 valuation survey than an intercept survey? It has nothing to do about that. It has to do

19 20 21 22 23	Chapman, David.txt A Combining information on recreational fishing with choices about additional recreational fishing in under certain different conditions, and so it was a survey of actual recreational fishermen and a survey of people who would like different	10: 07AM
24 25	recreational fishing conditions in the future and how you could bring that information together.	10: 07AM
0056 1 2 3 4 5 6	Q I'm not sure I completely understand what you just said, but if I let me try. You would go out and you would field survey recreational fishermen; is that one part of what one would do? A Yes. Q And then the other part of what one would do	10: 07AM
7 8	is one would do a survey of those who might not be recreational fishermen?	
9 10 11 12	A The general population. Q Which would include some recreational fishermen and others who are not? A Yes.	10: 08AM
13 14	Q And then you would bring those two studies together in some way?	
15 16 17 18	MS. XIDIS: I'm just going to object to form here, that we're very hypothetical. Are you asking about the dissertation topic itself? MR. DEIHL: Yes, I'm asking about his	10: 08AM
19 20 21	dissertation. MS. XIDIS: Or a study that was done? MR. DEIHL: No. I'm asking about Mr.	10: 08AM
22 23 24	Chapman's actual dissertation. A Again, I never completed it. Q I understand. I just want to understand what you were working on at the time you were working on	10: 08AM
25 0057 1	it.	TO. OOAW
2 3	A Yes. Q So you would your dissertation topic was	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21 22 23	you would survey actual fishermen, correct, recreational fishermen, and then you would do a survey of the general public, two different surveys I take it?	10: 08AM
	A Yes. Q Okay, and then you would bring those two surveys together to reach a conclusion? A That's one of the things you could do with the data, yes.	10: 08AM
	Q And what was the purpose of your dissertation; to describe how you would do that? A It was at the time to show some fancy new statistical techniques is what it was.	10: 09AM
	Q Okay, and were you in the process of creating those fancy new statistical techniques in connection with your dissertation?	
	A Yes. Q Did you consider using those techniques or bringing together these two studies with respect to the Tenkiller Lake-Illinois River?	10: 09AM
24 25 0058	MS. XIDIS: Objection. A Could you be more specific, please? I'm	10: 09AM
1 2 3	sorry. Q Let me try again. It wasn't a very good question. In connection with the Illinois River, Page 24	

Chapman, David.txt

00/0	Chapman, David.txt	
0063		
1 2 3	A Dr. Carrie Fisher Carrie Fisher Dr. Kerry Smith and Dr. Norman Bradburn, and I would say those are the two I know of. I don't know if	
4 5 6	other peer reviews were done. Q Didn't those peer reviewers recommend looking	10: 16AM
6 7 8	at the use data? A Those peer reviewers, both of them, no. Q Did Dr. Smith recommend Looking at the use	
9 10	data? A I think he did.	10: 17AM
11 12	Q Did Dr. Bradburn? A I don't know if he did or didn't. I don't	
13 14	believe he did. Q In light of Dr. Smith's recommendation that	
15 16	you look at the use data, why didn't you do so? A We did look at the use data. I told you that	10: 17AM
17 18 19	<pre>before. Q Why didn't you incorporate the use data from the intercept study into your contingent valuation</pre>	
20 21	study? A We just didn't.	10: 17AM
22 23	Q The intercept survey, Deposition Exhibit 3 that we've been looking at, was completed in the	
24 25	summer of 2006; right? A In the fall.	10: 18AM
0064 1	Q Summer to fall of 2006?	
2 3 4 5 6	A Uh-huh. Q Okay, and following that, you developed a	
4 5	telephone survey; correct? A Yes. O What now information did you have to goin from	10: 18AM
7 8	Q What new information did you hope to gain from the telephone survey that you hadn't garnered in the intercept survey?	
9 10	A Again, the telephone survey was not of just users or not users. They were of the general	10: 18AM
11 12	public, and we were trying to gather additional information about people's understandings of the	
13 14	Tenkiller Lake and Illinois River system. Q So if I understood your answer correctly, the	
15 16	telephone survey provided you with additional information about people's understanding of the	10: 19AM
17 18	Illinois River and Tenkiller Lake, correct, and it also was a survey of the general public and not just	
19 20 21	users? A Yes. Q Were those the two main reasons you wanted to	10: 19AM
22 23	do the telephone survey? A Those are the two that come to mind right	
24 25	away. Q Okay. What was your personal involvement in	10: 19AM
0065 1	the telephone survey?	
2 3 4 5 6	A Thinking about the goals of the study and helping facilitate administration of it and	
4 5	reviewing results were the main things. Q Besides yourself, who else was involved in	10: 20AM
6 7 8	thinking about the goals of the telephone survey? A Different members of the team. I can't remember specifically exactly which ones but	
9 10	remember specifically exactly which ones, but myself, Dr. Bishop, Dr. Krosnick, Dr. Tourangeau, the others I think were probably involved to some	10: 21AM
10	Page 27	IV. ZIAW

```
tell me that?
 7
                I'd have to look at the report closely. Let
 8
                   So the question is --
      me see.
      Q Were the majority of respondents aware of Tenkiller Lake and the Illinois River?
A Okay. Let me think. And/or Illinois River, Tenkiller Lake and Illinois River, or Tenkiller Lake
 9
10
                                                                                                 11: 04AM
11
12
      or Illinois River.
13
14
                Well, let's answer all three of them.
15
                Let's see. I hate doing math like this, but
                                                                                                 11: 05AM
      we'll see if I can do it.
16
17
                Mr. Chapman, if you need a calculator, I have
      one on my phone.

A Luckily the majority is a simple threshold. I can answer -- I think I can answer the question. I guess it was here. My math worked. Look at that. Okay. It looks like 25 percent had visited the
18
19
20
                                                                                                 11: 09AM
21
22
       Illinois River and 32 percent had visited Tenkiller
23
                I don't know the ones that had visited both.
24
25
                On what page are you referring to?
                                                                                                 11: 09AM
8800
 1
                 Page 7.
      Q So you said 25 percent had visited the Illinois River?
 3
                Yeah, that's what we have here, 25 percent
 5
       have visited the Illinois River and 32 percent have
                                                                                                 11: 09AM
 6
       visited Tenkiller Lake.
 7
                 So the answer to my question, were the
 8
       majority of the respondents aware of these areas,
 9
       the answer to that is no?
10
                No.
                      This is visited.
                                                                                                 11: 10AM
      Q Okay. Do you know if the majority of the respondents were aware of the area, and again I think it's on the bottom of Page 7 but I may be
11
12
13
14
       wrong.
15
                 Let me check.
                                                                                                 11: 10AM
                Do you see at the bottom of Page 7 in the
16
       Stratus report it says General Awareness of the
17
       Illinois River and Tenkiller Lake?
18
19
20
                 And that sentence reads 85 percent of
                                                                                                 11: 11AM
       respondents who did not mention the river in any
21
22
       previous questions said they have heard of the
      Illinois River, and 83 percent of respondent who did not mention the lake in any previous question said they have heard of Tenkiller Lake; do you see that?
23
24
25
                                                                                                 11: 11AM
0089
      A Yes, yeah, and that's the problem of trying to figure out whether people said they heard it because I don't know from this if I actually know the number
       of people who did not mention the river in the
 5
       previous question to calculate out those percentages
                                                                                                 11: 11AM
 6
7
       accuratel y.
                 But if they had mentioned the river in any
 8
       previous questions, they would have heard of the
       river; correct?
      A They could have mentioned it in a list. I don't know whether they were aware of it or anything. They could have mentioned it in the list.
10
                                                                                                 11: 11AM
11
12
       That's what's hard to pull out from this. Sorry.
13
14
                Okay. At least the sentence in the report
       that Stratus drafted on general awareness of the Illinois River and Tenkiller Lake were the numbers I
15
                                                                                                 11: 12AM
16
                                                      Page 37
```

```
Chapman, David.txt
       just read you; correct?
18
                   Yes, those were the numbers that are in here.
19
                   You also asked questions to determine whether
       respondents knew of any water quality problems in Oklahoma and what they perceived to be the causes of those issues, and you specifically did not mention water quality in these questions so that respondents
20
                                                                                                              11: 12AM
21
22
23
24
        would be given a chance to provide these answers
        without being prompted; is that correct?
25
                                                                                                              11: 12AM
0090
                   I don't know if we specifically did it about
 23
4
5
6
7
        not being prompted. I guess we said that here in
       the footnote, so, yes.

Q So that is correct?

A As we state here, yes.

Q And that's in Footnote 6 on Page 8?
                                                                                                              11: 13AM
 8
                   Why did you believe that it was important to
 9
        find out the respondents' opinions about the quality
       of the resource without prompting?

A There's a number of ways to ask these questions, and sometimes you ask them with prompting; sometimes you ask them without prompting. Sometimes people are very quick to give you a response, and when you prompt them to think more closely about questions.
                                                                                                              11: 13AM
10
11
12
13
14
15
                                                                                                              11: 13AM
        closely about questions, they give you a more
16
        thoughtful and detailed answer.
17
       In this particular survey in Footnote 6, you indicate that they were asked questions about water quality without being prompted. Why did you choose not to prompt people about water quality in this
18
19
20
                                                                                                              11: 13AM
21
22
        tel ephone survey?
23
                   We did prompt people about water quality in
24
        the survey.
25
                   Why did you choose not to prompt people about
                                                                                                              11: 14AM
0091
       problems with water quality in this survey?

A I think we did prompt people.

Q Maybe I'm reading Footnote 6 wrong, but it
 1
 2
3
4
5
       says respondents were asked questions about their impressions to determine if they would mention any water quality problems without being prompted.
                                                                                                              11: 14AM
 6
                   I think that was the first level of the
        questi ons.
 8
 ŏ
10
                   Later down the line we actually did ask people
                                                                                                              11: 14AM
       to think more closely about the questions.
11
       Q I understand. So let's talk about this first level of questions. Why did you choose to ask that question without prompting in this first level of
12
13
14
15
                                                                                                              11: 14AM
        questi ons?
                   As I sit here right now, I can't specifically
16
        tell you why we chose to do it in this order.
17
18
                   Who was responsible for making that decision
19
        in this survey?
20
                   I was involved with it as was the other
                                                                                                              11: 14AM
       members I told you about. So we were all involved in that. Specifically why we chose to do this first without prompting, I can't tell you all the things
21
22
23
        we were thinking about then right now.
24
                                                                                                          11: 15AM
25
                   What are the reasons that you would not prompt
0092
        a recipient?
```

9 10 11	Chapman, David.txt A That the conditions in the river and lake were affected by the poultry industry, and that lots of actions were going on, and that there were lots of	11: 27AM
12 13 14 15 16 17 18	media information about this issue. Q You've spoken a number of times about media information. Describe to me this media information. A There were newspaper ads; there were television ads. I believe there were radio ads. There were Internet ads. Q Okay. Who produced these ads?	11: 27AM
19 20 21 22 23 24	A I do not know. Q Okay. Going back to Page 1 of Exhibit 4, your second goal of the telephone survey was to determine respondents' awareness of and perceptions about the sources of water quality problems in Oklahoma. Did you accomplish that goal?	11: 27AM
25 0100 1 2	A I think we gathered a better you know, an additional understanding of it, yes, through this. Q And what was the upshot of that additional	11: 28AM
3 4 5 6 7 8	understanding? A I'd have to go back and look at the details here. Q Okay. So this report doesn't tell you? A It might very well.	11: 28AM
8 9 10 11 12 13	Q Okay. A I just need to go back and look at this. This is a couple of years ago that we did this. So I guess looking at Tables 4, 5, 6, 7, lead me to believe that people had heard about or think the issues or have concerns with the Illinois River and	11: 29AM
14 15 16	Tenkiller Lake are fairly significant. Q Okay, and that's what you draw your conclusion from?	11: 31AM
17 18 19 20 21 22	A From this, from out of this report, that's what I'm saying that's representing. Q Okay, and then your last goal of this survey was identifying key messages respondents remembered from media stories about the poultry industry. A Yes.	11: 31AM
23 24 25 0101	Q What were those key messages? A Half the folks had heard or seen ads about the poultry industry. As I said before, the method of	11: 32AM
1 2 3 4 5 6	delivery was predominantly television. People remembered specific components of the ads. A fairly small number of people actually knew anything about the current lawsuit.	
5 6 7 8	Q If you look at Table 9 on Page 12, does that reflect respondents' descriptions of the content of media stories about the poultry industry? A Again, these are categories that their answers	11: 32AM
9 10 11 12 13	were put into. Q Did you review these ads and editorials? A I looked at a number of them. Q Okay. Give me a sense for what they said. A Some of them were just well, the ads were	11: 32AM
14 15 16 17 18 19	by the the Poultry Council or something like that. I looked at those on the Internet, but apparently they were the same as done on television. I actually saw some of the television ads when I was here visiting one time, and those all sort of were along the lines of nice, pleasant background, folks Page 42	11: 33AM

Chapman, David. txt you. Á 13 You read me two paragraphs. Q Well, if you agree with the whole thing I read you. If there's anything you disagree with in what Mr. Allen is stating in Section 4 of this E-mail. A So it's the paragraph numbered 4 and the one 14 15 11: 50AM 16 17 18 below it? 19 Yes. 20 And the conclusions or not? 11: 50AM 21 Q I haven't asked you about the conclusions yet. 22 23 MS. XIDIS: I'm reading through this, and there's a lot of different conceptual information going on. So I object to the form of your question, 24 25 11: 51AM 0112 that it covers so much ground here, and you're 1 asking him to agree. If you want to try to break it 3 out into concepts or topics, I think that would be more appropriate. 5 MR. DEIHL: I have broken it into topics or 11: 51AM 6 7 concepts. I'm asking him specifically about Paragraph 4, which talks about natural resource 8 restoration. 9 MS. XIDIS: The two single-spaced paragraphs that take up almost half the page? MR. DEIHL: That's what I'm asking him 10 11: 52AM 11 12 about. 13 Can you read back the question? 14 (Whereupon, the court reporter read 15 back the previous questions and answers at Page 16 111, Lines 14-22.) There's some musts in here that I don't 17 necessarily agree with. 18 Which musts? 19 0kay. 20 So there's two musts. Both the musts actually 11: 54AM 21 I don't agree with. I think they can be cans but 22 they don't have to be musts. O Other than that, if you substitute can for must, you'd agree with Mr. Allen writes here? A Also the first must, too, what also must be 23 24 25 11: 55AM 0113 1 do. 0 2 3 4 These are -- these are possible approaches to I guess what he's calling natural resource 5 restoration. 11: 55AM 6 7 You'd would agree with the way he's characterized it here other than with the substitution of those three words? A I would -- I think that in general -- I'd have to really think about it some more, whether I really agree with everything he says here, but in general, 8 9 10 11: 56AM 11 12 as this concept of natural resource restoration, as 13 I understand it, I think these are options that are 14 available sometimes. 0kay. 15 11: 56AM Q 16 MR. DEIHL: I think this is a good time for 17 a break. 18 VIDEOGRAPHER: We are off the Record. The 19 time is 11:56 a.m. 20 11: 56AM (Following a lunch recess at 11:56 proceedings continued on the Record at 1:06 21

	Chapman, David.txt	
0126		
1 2 3	stuff. Q Okay. What portions of Chapter 5.3 did you write?	
3 4 5 6 7 8	A Information about how the interviewers this was actually pulled a lot from the Westat report and how the interviewers were trained. Q So it was Section 5.3.1 and 5.3.2? A Yes.	01: 29PM
9 10 11 12 13	Anything else? A A little bit about 5.3 about what happened with the supervision, and then some of 5.4 where there was on the study collection, the process we went through. Again, these were pulled a lot from	01: 30PM
14 15 16 17 18	the report provided to us by Westat. Q We haven't talked about Chapter 4. On my mapping you, along with Dr. Bishop, Dr. Krosnick and Dr. Tourangeau are listed as lead authors. A Tourangeau.	01: 30PM
19 20 21 22	Q Tourangeau are listed as lead authors. Who drafted this section initially? A At my request a lot of this initial outline of the survey was developed by a junior staff person	01: 30PM
23 24 25 0127	that I reviewed and went through, sections 4.2 and all the sections that walk through the different basics of the survey, and then I filled in around	01: 31PM
1 2 3 4	some of the additional information, and then the other co-authors filled in the information. Q Who was the staff person who drafted Section 4.2, et cetera?	
5 6 7	A At my request under my direction, Colleen Donovan. Q What about Chapter 6; who was the primary	01: 31PM
8 9 10 11 12	drafter of the first draft of Chapter 6? A The first early draft of this I believe was done primarily by Dr. Kanninen, and it was added to significantly as we went through the data analysis and development.	01: 32PM
13 14 15 16 17	Q And how about Chapter 7; who drafted the initial draft of Chapter 7? A I believe Dr. Hanemann drafted portions of Chapter 7 first and Dr. Kanninen were the first two that did that, and then I wrote some parts of it, as	01: 33PM
18 19 20 21	<pre>did, I believe, Dr. Tourangeau. Q Have you discussed with counsel who among the authors of this report will be called to testify at trial?</pre>	01: 34PM
22 23 24 25 0128	A No. Q Directing your attention to I guess it's page Roman numeral VIII, which is a list of appendices, do you have that in front of you?	01: 35PM
1 2 3 4 5 6	A I do. Q Let's go through the same drill with this. Who was responsible for drafting the main study survey instruments, Appendix A? A As I said before, we worked as a team in developing the survey instrument. We were all	01: 35PM
7 8 9 10	involved in different components of the survey instrument development in different aspects of it and some of us in multiple aspects of it. So the whole team, except Dr. Kanninen, was involved in Page 53	01: 35PM

```
the survey?
         A We told them that it would return to conditions that were about 1960 and depending on whether or not the program was put in place or not in different time periods.

Q And upon what did you base that statement that it would return the water to 1960 levels?

A From conversations with the natural scientists and multiple conversations and discussions with
  4
  5
                                                                                                                                              01: 54PM
  6
7
  8
  9
10
                                                                                                                                              01: 54PM
11
          and -- multiple conversations and discussions with
12
          the natural scientists about what the sort of water
         clarity should have looked like.

Q So if I wanted to know how the natural scientists determined what the water clarity looked like in 1960, I'd have to talk to them?
13
14
15
                                                                                                                                              01: 55PM
17
                         Yeah.
18
                        Was there any data that you reviewed that
19
         talked about the level of water clarity in 1960?
         A Again, I'm not a natural scientist. I looked at the various reports. I'd have to go back and identify each of them to see what I did. To identify sort of what types of information they were developing, I looked at some of their modeling results to sort of make sense of what they were
20
                                                                                                                                              01: 55PM
21
22
23
24
25
                                                                                                                                              01: 55PM
0139
          saying and trying to understand what they were
 1
         saying and trying to understand what they were saying. So I looked at those sorts of information.

Q How was the year 1960 chosen; do you know?

A It was a period at which provided reasonable touchstone about the quality of the environment before these changes, and it was developed I think specifically through conversations between Dr. Bi shop and some of the natural scientists.

Q You said earlier that you didn't know what an individual respondent thought about whether the one-time alum program would result in clarity into
  2
  3
  5
                                                                                                                                              01: 56PM
  6
7
  8
  9
10
                                                                                                                                              01: 56PM
11
          one-time alum program would result in clarity into
12
          perpetuity; correct?
                         Again, I'm not inside the head.
13
14
          Q
                        Understood.
         A That's what makes this job challenging is trying to identify information and so -- Q Didn't you ask them follow-up questions to ask them what they considered?
15
                                                                                                                                              01: 56PM
16
17
18
19
                        Uh-huh.
20
                        And you did that for each respondent; correct?
                                                                                                                                              01: 57PM
21
                        Yes, we did.
22
                        And what did those follow-up questions
         conclude about what they considered?

MS. XIDIS: Objection to form.

A To answer your question sufficiently, I'd have
23
24
25
                                                                                                                                             01: 57PM
0140
          to go through each of the follow-up questions and
 1
          the associated tables and talk to you about each of
 3
4
          those that we saw. I'd be happy to do that if you'd
          like me to.
  5
         Q Why don't you direct me to what follow-up questions and tables you're referring to?
                                                                                                                                              01: 57PM
  6
7
         A So the follow-up questions -- well, there's a number of them. So -- let's see. The first one I come across that I think I would want to look a
  8
  9
          little bit at is Q-17A.
10
                                                                                                                                              01: 59PM
11
                        What page is that on?
          A I'm sorry. It's on Page A-11. Q-18A, Q-19A, Q-20A, Q-22A, Q-23A, W-1A, W-3, Q-25, Q-26, Q-28,
12
13
                                                                                Page 58
```

21 22	Chapman, David.txt discussion here on this part here is about whether or not the respondents understood the information we	
$\begin{matrix} 23 \\ 24 \\ 25 \\ 11 \\ 23 \\ 45 \\ 67 \\ 89 \\ 011234567890011234567890112345678901123456789011234567890112345678901123456789000000000000000000000000000000000000$	provided to them and found the fact that there was actually some solution in their minds that they could get the cleaned-up environment, and that's	02: 21PM
	what this is doing. So whether or not they know it's absolutely feasible and technically possible at that time doesn't drive that. It's whether or not they think	
	there's a way to fix it. Q And it doesn't matter whether or not the way they think they can fix it is impossible? MS. XIDIS: Objection to form.	02: 22PM
	A I think if a respondent thinks it's impossible to fix it, then they wouldn't be willing to pay to fix it. Q I'm not asking now what the respondent thinks.	02: 22PM
	I'm asking if factually it is impossible to fix it and the respondent believes it is possible, does that make any difference to your survey? MS. XIDIS: Objection to form. A Any difference in what way? Q Any difference in the validity of your survey.	02: 22PM
	A No. Q So if you tell the respondents that they could do an alum treatment this spring and the water would be returned to 1960 clarity next fall and that's false, and you measured the willingness to pay that	02: 23PM
	the respondents gave you for returning the water to clarity by this fall, that would be a valid survey methodology?	02: 23PM
	MS. XIDIS: Objection. A That doesn't describe a survey methodology. Q It describes a scenario that you would provide to the respondent. If you were to provide that scenario to the respondent knowing that it was absolutely impossible, would that affect the results of your survey?	02: 24PM
	MS. XIDIS: Objection to form. A I can't tell you what presenting that information would do to that survey. It would be a different survey than this survey.	02: 24PM
	Q Does it even matter that the State's restoration consultant, Mr. King, considered an alum restoration program for the results of your survey? MS. XIDIS: Objection to form. A Does it matter? I would have to think about it some more, but I don't believe it would, but I'd have to think about it some more.	02: 24PM
	Q So when I read this statement to you about, you know, there would be plenty of oxygen in the water, et cetera, et cetera, it wouldn't matter what you're telling me is that's not based that	02: 25PM
	doesn't necessarily have to be based on any factual predicate; you could just tell people for purposes of the survey that a particular program would return	02: 25PM
	the water to water clarity levels of 1960 and that would be enough? MS. XIDIS: Objection to form.	
5	A I don't believe that would be enough. Page 62	02: 26PM

Chapman, David.txt 2 A I believe they did. The next statement says specifically what we told them the State was doing. Q And, again, does it matter to the results of your survey whether or not that statement is true? MS. XIDIS: Objection, form. A I -- if this statement is not true, then the 5 02: 33PM 6 7 8 measure in the survey is even a greater 10 underestimate of damages. 02: 34PM 11 Why is that? 12 Because then the river and lake would not recover as quickly as we described. Q Correct, and if the respondents didn't think that the river and lake would recover as quickly as you described, would they be more or less willing to pay for the alum treatments in your opinion? 13 14 15 02: 34PM 16 17 If they thought that the ban was not going to 18 be put in place, then they might very well be -- I'd 19 20 have to think about this. There's a couple of 02: 35PM things that work in different directions here. 21 I'd actually have to go back and think specifically about the possibilities of how this would be effected, but I think we could work this through. Q And you didn't think about that before you put 22 23 24 02: 35PM 25 0156 1 together this survey, or did you? I did. I know I did. 2 3 4 Q Okay, and what did you conclude about that? A As I'm sitting here right now, I'd have to go back and think about this. 5 02: 35PM Q Okay. So you're not prepared to testify at trial about that? 7 A I didn't say that. Q Okay. Well, we're here today to find out what you're prepared to testify at trial about, and I'm 8 9 10 02: 35PM 11 asking you this question. 12 Okay, and I'm happy to work on it to figure it 13 out for you. That's okay. I don't want -- I don't want to take the time for you to do that. Did you tell the respondents that if a poultry litter ban went into place, farmers would use other sorts of fertilizer 14 15 02: 36PM 16 17 18 on their fields in place of the poultry litter? 19 Did we present that information in the survey; 20 is that what you're asking? 02: 36PM 21 Uh-huh, yes. Again, could you repeat the survey -- the Q 22 23 question, please? 24 (Whereupon, the court reporter read 25 02: 36PM back the previous question.) 0157 Let me see. I'll tell you if we told them 1 that or not. What we told people is if a court 2 3 4 banned spreading --Excuse me. What page are you reading from? Q 5 02: 38PM Α A-19. O Thank. Go ahead. A If a court banned spreading of poultry litter, the industry will have to safely get rid of all the 6 7 8 litter they produce from now on. The industry will have to pay for this, and the river and lake will 9 10 02: 38PM naturally return to what they were like in around 1960. If people of Oklahoma want this to happen 40 11 12 Page 65

Chapman, David.txt level of bid design? 10 02: 46PM MS. XIDÍS: Objection to form. There's a number of criteria. 11 Q What are they? A It's D optimality. I think I want to say D and F -- H optimality, and there's a number of optimality criteria that are used. 12 13 14 15 02: 46PM What does D optimality mean? 16 17 It has to do with the determinant of the Hessian of the variances associated with the 18 different bid scenarios. 19 Q And what is H optimality have to do with? A I think it's the derivatives, the specific derivatives of the Hessian. I'd have to go back and check directly. Again, that's why I recommend Dr. Kanninen specifically for this. Q So, again, you'd have to go back and review 20 02: 46PM 21 22 23 24 25 02: 47PM 0163 1 things in order to answer that question? 2 3 4 5 Yes. Q Sitting here today, you're not prepared to testify about that any more than you already have? On the optimal bid design criteria? 02: 47PM 6 Q Yes. 7 No, I'm not. Α 8 How do you select the bids that will result in 9 reliable willingness to pay estimates? A Again, the bids are just one part of the overall survey that ensure that the willingness to 10 02: 47PM 11 pay estimates are reliable. The bids -- as I described to you, we use an iterative process to understand the bid range, an appropriate bid range 12 13 14 15 and evaluate those ranges. 02: 48PM Okay. I still don't understand this iterative 16 process. What's the point of the iterative process; 17 what do you do in these different iterations? 18 19 MS. XIDIS: Object to form. The point is to find an efficient bid design. And how do you go about doing that? Through an iterative process. 20 02: 48PM 21 22 Q 23 Q Describe that to me. 24 Α We try some bids. 25 Q When you say you try some bids, what do you 02: 48PM 0164 mean? 2 In the focus groups we use some range of bids. We see how those work. In different focus groups we try different ranges of bids. We see how those work. In the pretest we tried ranges of bids. We saw how those worked. In the pilot studies we further refined the bid and we tried how they 5 02: 48PM 7 8 worked, and so the iterative process is like I would 9 think almost all good scientific process. with a process. You update appropriate --You start 10 02: 49PM appropriately based on information you get, and then 11 you continue on, and we did that iteratively. 12 Q And in this iterative process, were you also changing the survey document? A Yes. 13 14 15 02: 49PM 16 0kay. So as you're going through this 17 iterative process, you're changing the bid amounts 18 and you're also changing the statements that you're 19 providing to the respondents; correct? Page 68

```
desi gn.
                Do you know of any?
17
      Q
                Again, I'd have to look. I don't know off the
18
19
      top of my head that number.
20
                                                                                             02: 57PM
                Okay. Sitting here today, you just don't
21
      know?
22
23
                (Witness shakes head from side to side).
                0kay.
24
                I mean, I don't know and what's important is
25
                                                                                             02: 57PM
      the bid design for this study.
                                                 What other studies
0170
      developed their specific designs are for their studies and what's appropriate for their studies. So transferring that bid design to this bid design is not necessarily relevant.
 2
 5
                What difference does it make to the results of
                                                                                             02: 57PM
 6
7
      the survey if your top bid number was 2,000 instead
      of 400?
 8
                    MS. XIDIS: Objection to form.
 9
                I can't answer that question as I sit here
      Α
10
      today.
                                                                                             02: 57PM
      Q What difference does it make that you have different bid numbers in a survey like this?

MS. XIDIS: Objection to form.
11
12
13
                The bid numbers that we have are efficient in
14
15
      estimating the lower bound estimate we want, the
                                                                                             02: 58PM
16
      lower bound willingness to pay for this program.
17
                And how do you know that they're efficient in
      estimating that?
18
19
                Because they're approaching true willingness
      Α
      to pay from below.
20
                                                                                             02: 58PM
                What do you mean by that?
With the bid design and the non-parametric
21
22
23
      analysis conducted, the willingness to pay
24
      calculation estimated from our survey approaches the
25
      true willingness to pay from below.
                                                                                             02: 58PM
0171
      Q What do you mean from below? I don't understand that term.
 1
 2
                It's a lower bound estimate of that true
      willingness to pay.

Q By lower bound, you mean lower number?

A I mean if you were to bound willingness to pay

this bounds it from below.
 4
                                                                                             02: 58PM
 6
7
      from above or below, this bounds it from below.

Q Now, you didn't include a no-vote option in
 8
 9
      your study design; correct?
                We did not explicitly include a no-vote.
10
                                                                                             02: 59PM
      People could not vote for the program if they chose.

Q Why didn't you include a no-vote option?

A As we described specifically in the report, we
11
12
13
      didn't think it was appropriate.
14
15
                                                                                             02: 59PM
                Why?
                Let me get the report and tell you.
16
17
      Q
                On Page 3-18 we go into a rather long
18
19
      discussion about the no-vote panel -- no-vote
      option, and starting out again it states the NOAA panel. The NOAA is the panel of economists and survey researchers and psychologists that were convened to evaluate specifically the question about
20
                                                                                             03: 00PM
21
22
23
      whether or not contingent valuation is an
                                                                                             03: 00PM
25
      appropriate measure -- appropriate tool to use to
0172
```

23 24 25 0177	Chapman, David.txt the respondents to believe that the water clarity should reflect 1960 conditions. Why did you choose 1960 conditions?	03: 08PM
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. XIDIS: Objection to form. A I'm not sure what we led them to believe. We provided information to them. Q You told them that it would return water clarity to 1960 levels; correct? A The survey provided the information that it would return water clarity to about 1960 conditions. Q And why did you pick 1960 conditions? A As I said before, we talked to the natural scientists about what seemed to be a good reference point in water clarity, and that was the date that	03: 08PM
	was determined as being reasonable and, again, Dr. Bishop specifically talked to the natural scientists about these dates. Q Why didn't you use a 1980 baseline to be consistent with CERCLA? MS. XIDIS: Objection to form.	03: 09PM
18 19 20 21	A I don't understand the question. Q Well, you implemented this CV study especially for this litigation; right? A Yes.	03: 09PM
22 22 23 24 25 01 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 10 11 22 23 24 25 10 11 21 21 21 21 21 21 21 21 21 21 21 21	Q And CERCLA was enacted after 1960; correct? A Yes. Q The natural resource damages provision of CERCLA. So why didn't you use the 1980 date as the baseline date instead of the 1960 date?	03: 09PM
	A 1980 has nothing to do with the date of baseline. Q What does 1960 have to do with it? A It's the relative conditions that the environment would be in but for the changes. Q Why didn't you go to 1950?	03: 09PM
	A Because, again, in talking with the natural scientists, the date that seemed about right to present was 1960. Now, 1960, remember, is just an indication of what the environment should have	03: 10PM
	looked like but for the release, but for the change in the environment, change in the quality of the environment. So we're just telling people giving them a reference point that things in the past used to look better. If we do something, we can get the environment back to those conditions where they used	03: 10PM
	to look better. Q Do you know what the difference in water clarity was between 1960 and 1980? A I'm not a natural scientist. I haven't looked at the data. I can't tell you.	03: 10PM
	Q Did the natural scientists look at that? A You'd have to ask them. Q Okay. So, again, you picked 1960 based on the	03: 10PM
	recommendation of the natural scientists? A We picked 1960 as a date in the past when things used to look better, that we could present to people that things used to look better, and if we do something, we can get the environment to look better and it would look better like in the past, like in about 1960.	03: 11PM

```
Chapman, David.txt
      Q
                Could you have picked 1962?
 9
       Α
                Yes.
10
      0
                Would it have made any difference to the
                                                                                               03: 11PM
11
      results?
                I don't believe so.
MS. XIDIS: Objection to form.
12
13
14
      0
                1965?
15
                    MS. XIDIS: Objection to form.
                                                                                               03: 11PM
                I can't tell you because we didn't test that.
16
                Okay. So 1960 was an arbitrary date that you
17
       picked sometime in the past?
18
      MS. XIDIS: Objection to form.

A Again, it's not arbitrary. We talked to the natural scientists about what we were looking for.

Q And what did you tell the natural scientists you were looking for?

A Again, Dr. Bishop had most of these
19
20
                                                                                               03: 11PM
21
22
23
24
25
       communications, but in some of the communications I
                                                                                               03: 12PM
0180
       had with them, what we told them was we were trying
 1
       to understand what the environment would have looked
      like without all these additional nutrients, and when in time -- because it's helpful for people to understand these things, when in time is a reasonable time to have told people it sort of looks
 5
                                                                                               03: 12PM
 6
       like that, and 1960 is what they provided us.
 7
 8
                Who did you say had those conversations with
 9
      the natural scientists?
                 I had some; Dr. Bishop had some. Dr. Bishop
10
                                                                                               03: 12PM
      is really the key communicator with all of the natural scientists on our team.
11
12
13
                          Which natural scientists did you and
      Dr. Bishop talk to?
14
15
                I can't specifically tell you all the natural
                                                                                               03: 13PM
       scientists that Dr. Bishop talked to.

Q Who did you talk to?
16
17
                I talked to Dr. Cooke, Dr. Welch, Dr. on. One time I talked to Dr. Wells.
18
       Stevenson.
19
                                                                      Those
      are the people I remember talking to. I may have talked to others, I think Dr. Fisher, and then also just to note, you know, this was a common discussion and topic in our focus groups about people that had been here for a long, long time. We had a number of
20
                                                                                               03: 13PM
21
22
23
24
       people who had been in the region for a long, long
25
                                                                                               03: 13PM
0181
       time, and we talked to them about what it looked
 1
 2
3
4
       like in the past.
                     MR. DEIHL: Why don't we take a break for
       the tape change.
 5
                     VIDEOGRAPHER: We are now off the Record.
                                                                                               03: 14PM
      The time is 3:13 p.m. (Following a short recess at 3:13 p.m.,
 6
7
 8
9
                     VIDEOGRAPHER: We are back on the Record.
       The time is 3:25 p.m.
10
                                                                                               03: 25PM
                Mr. Chapman, how did you select the scope
11
12
       version for this study?
                When you say we, how did I, you mean the team?
13
14
15
                We identified a scenario that we felt
                                                                                               03: 25PM
       adequately described different size good to
16
17
       respondents and tested that out.
18
                Anything else?
```

Page 76

Chapman, David.txt

	Chapman, David.txt	
4	selection of the photos?	00 0001
5 6	A No. Q How did you determine that the photos used in	03: 32PM
7	the survey were representative of conditions in the	
8	1960s?	
9 10	A We looked at the photos ourselves to try and identify which ones seemed to represent what we were	03: 32PM
11	presenting in the survey. We talked to the natural	03. 321 W
12	scientists about what they thought things would look	
13 14	like in the 1960s based on their knowledge of other rivers and lakes in Oklahoma and other places, and	
15	so we both looked at what we were trying to present	03: 32PM
16	in the photos in our descriptions of what 1960 was	
17 18	like and what the natural scientists thought things would look like, and so we used that process to say	
19	that we thought these were good representations of	
20	what we were describing in the survey of what 1960	03: 32PM
21 22	looked like. Q Did you try to use any photos of the water	
23	bodi es from the 1960s?	
24	A I don't know if I ever saw any photos of the	
25 0185	water bodies from the 1960s. So I personally am not	03: 33PM
1	aware that we actually looked at 1960s photos.	
2 3 4 5 6 7	Q Why didn't you try to find photos from the	
3 4	1960s? A Because we had photos from this period, and we	
5	needed to have photos that were similar in design	03: 33PM
6	and color and aspect and lighting and a number of	
8	different attributes that are important in making sure the photos are accurately representing what we	
9	wanted them to do, and so photos from 1960 would	
10 11	look completely different and would be creating a	03: 33PM
12	whole different set of reactions in the respondents than what we were trying to do.	
13	Q After you conducted Field Pretest No. 1, you	
14 15	reverted back to focus groups. Why did you do that?	03: 34PM
16	A Let me look at the report and see what we said. Time to drink your soda. So you're talking	U3. 34FW
17	about the field pretest that happened on January	
18 19	14th?	
20	Q I don't recall the date. If you direct me to a page, it was your first field pretest.	03: 36PM
21	A The first pretesting we did was January 14th,	
22 23	2008. It's on Page 3-6. Q Yes.	
24	A So after January 14th we had one, two, three,	
25	four, five, six focus groups, and we were testing	03: 36PM
0186 1	out various changes in the survey, presentations of	
2	information. I think in that we were also testing	
2	moving from, if I'm not mistaken, moving from the	
4 5	five-year back to the one-year bid, things like that, just refining and honing the instrument. We	03: 37PM
6	hadn't had any common data across everything to test	00. 071 W
7	until we did this first pretest, and that's what	
8 9	that was for. Q What was the purpose of the focus groups?	
10	A As I just said, to refine and hone the	03: 37PM
11	information to look at the test out, probably test	
12 13	out additional bid designs. You know, the whole team was involved in all of this, looking at the	
14	different aspects of all components of it. So we	
	Page 77	

Chapman, David.txt

	Chapman, David.txt	
0189		
1 2 3 4	A The responses were would be used for other rivers and lakes 41.2 percent; would be used only in Tenkiller Lake and Illinois River and creeks flowing into them 56.6 percent; don't know, refused 2.2	02. 42DM
5 6 7 8 9 10 11 12 13 14 15 16 17 18	percent. Q So those 40 percent of the respondents who thought the money would be used for other lakes were valuing a larger commodity than you intended; correct?	03: 43PM
	MS. XIDIS: Objection to form. A I can't say that that's exactly what they were doing. I can say that they answered this question this way. What I don't know is what percentage of	03: 43PM
	these people didn't vote for the program. This just says of the when you answered when you decided how to vote, it's not these weren't people that were necessarily voting for the program. All of these people could have voted against the program.	03: 44PM
19 20 21 22	Q Those people in that 40 percent who voted for the program were valuing a larger commodity than you intended; right? A They didn't	03: 45PM
23 24 25 0190		03: 45PM
1 2 3 4 5 6	thinking about. Q But some of those people did choose to pay for the program; correct? A I don't know that.	
7	Q You could figure that out; correct? A I'd have to go back to the data to look at that, yes.	03: 45PM
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q Okay, and it would be reasonable to conclude that some of those respondents did vote to pay for the program; right? MS. XIDIS: Objection to form. A I couldn't say whether that's reasonable or	03: 45PM
	not. Q Okay. So sitting here, you would not be willing to conclude that at least some of that 40 percent voted for the program? A I'd say I'd like to look at the data. I'd	03: 45PM
	like to rather than draw speculative conclusions about it, I'd rather look at the data. Q Okay. What data would you need to look at? A I'd need to look at the data we provided, the dataset.	03: 45PM
23 24 25 0191	Q Have you looked at that? A Many, many times. Q Okay. Can you sit here and tell me what	03: 45PM
1 2 3 4 5 6 7	percentage of the 40 percent voted for the program? A I cannot tell you what percentage of that, no. Q Okay. For those people who thought that they were buying a larger commodity than you intended, in other words, who thought that the tax dollars were being used to clean up other rivers and lakes in addition to the Illinois River and Tenkiller Lake,	03: 46PM
8 9 10	did you eliminate those votes from your analysis? A Again, I can't tell you how these people voted. I can tell you in general the approach that Page 79	03: 46PM

17

Again --

	Chamman David List	
3	Chapman, David.txt working on this concurrently.	
4 5	Q Are you prepared to testify at trial about all of the conclusions in this report?	04: 07PM
6 7	A Yes.	
8	Q Have you discussed with the attorneys the opinions that you will testify to at trial drawn	
9 10	from this past damages report? A No.	04: 08PM
11	Q So sitting here today, you don't know what	o o o
12 13	opinions you will be asked upon to testify to at trial regarding this past damages report?	
14 15	MS. XIDIS: Objection to form. A Again, I don't know if they're going to ask me	04: 08PM
16	to testify at all or what specifically they want me	o o o
17 18	to testify to. I'm prepared to testify to all aspects of this report if asked.	
19 20	Q This past damages report states that it uses the benefits transfer approach; is that correct?	04: 08PM
21 22	A One of the most commonly used approaches.	o o o
23	Q Could you describe how that benefits transfer was performed?	
24 25	A We took the estimate in this case this benefits transfer was especially straightforward.	04: 08PM
0202		5 11 5 5 1 III
1 2	We had a primary study that was specific to the issues we wanted to address, and all we really	
2 3 4 5 6	needed to do was to transfer to a different time frame for the same types of injuries, the same	
5	general population, the same general attributes, and so this was an especially straightforward one, much	04: 09PM
7	less complicated than many of the ones that are done	
8 9	in the literature, and so the main estimates, we're looking at how would we adjust for any potential	
10 11	changes in income or the relative levels of the injury during the different time periods or the	04: 09PM
12	relative time periods, all standard things that one	
13 14	should check in a benefits transfer. Q Can you direct me to any scholarly literature	
15 16	where someone has transferred damages from the present time to a past time, such as was done in	04: 10PM
17 18	this report?	
19	A I would have to get out the books on the damage assessments done for recreational fishing	
20 21	studies. Every one of those has transferred damages from the present to the past. So there's numerous	04: 10PM
22 23	examples in the literature of transferring benefits from the present to the past.	
24	Q Do you cite any of those in your report?	04 4004
25 0203	A We don't specifically cite those. We cite the	04: 10PM
1 2	US EPA guidance. US EPA undertook probably one of the most extensive past damage calculations	
2 3 4	undertaken in an evaluation of The Clean Air Act.	
5 6	They did one of the most comprehensive benefits transfers, had it evaluated by numerous economic	04: 11PM
6 7	scholars, and was well accepted. Q You didn't cite that in your report?	
8 9	A I guess most anybody who does benefit transfer knows of these.	
10	Q Okay. So sitting here today, you can't tell	04: 11PM
11 12	me about any peer-reviewed literature where someone has transferred damages from the present time to a	
13	past time period? Page 84	

	Chapman, David.txt	
25 0206	were similar or not, and as we presented here, on	04: 16PM
1 2	average over those two different time periods, they were very similar.	
3 4	Q So the did you do anything to verify that the baseline water quality was the same in 1981 as	
5	it is currently? A The baseline water quality is the quality of	04: 17PM
7 8	the environment that would have existed without the releases, and that would be similar to now.	
9	Q And what did you base that on?	04. 17DM
10 11	A That the overall level of the environment without those releases would be similar, talking to	04: 17PM
12 13	the natural scientists. Q Okay. So you based it on conversations with	
14 15	the natural scientists? A Yeah.	04: 17PM
16 17	Q Okay. Did you do anything to verify that the poultry industry hasn't changed since 1981?	
18 19	MS. XIDIS: Objection to form. A I'm specifically for this, whether the	
20 21	poultry industry changed over that time period, I've	04: 18PM
22	seen graphs that have shown we discussed how things have changed in our main survey. So we had a	
23 24	fair amount of information that showed how the poultry industry has changed over that time.	
25 0207	Q And did you take that into account in this	04: 18PM
1 2	benefits transfer? A This transfer is about the total amount of	
3 4	changes in the environment from all sources. Q So did you take into account the fact that the	
2 3 4 5 6	poultry industry has changed since 1981 in your benefits transfer?	04: 18PM
7 8	A To the degree that it's fed into the changes in the environment we talked to the natural	
9 10	scientists about, then, yes.	04: 19PM
11	Q Okay, but you assumed that the injuries were the same; correct?	04: 19PW
12 13	A We present the discussion that we talked about here that from talking to the natural scientists,	
14 15	the injuries on average were about the same. Some years they could have been higher, some years they	04: 19PM
16 17	could have been lower as we described here, but on average they're about the same.	
18 19	Q And that's based on these conversations with the natural scientists?	
20 21	A Yes. Q What can you tell me about the accuracy of	04: 19PM
22 23	benefits transfers like this study; are they as accurate as the original studies?	
24 25	MS. XIDIS: Objection to form.	04. 10DM
0208	A The accuracy of a benefits transfer study	04: 19PM
1 2	depends on a number of things, how close the original study is in design to what you are really	
3 4	trying to measure, how close the population is from the original study to what you are trying to	
5 6	measure, how close in geographic space the original study is to what you're trying to measure and how	04: 20PM
7 8	close the description of the injury is between what you are trying to measure in the original study and	
9	what you're transferring to. Those are the main Page 86	
	3	

Chapman, David. txt Anyone el se? 05: 02PM 25 That's where I would throw that. 0223 MR. DEIHL: Why don't we go off the Record for a moment? I think I'm just about done. VIDEOGRAPHER: We are off the Record. The 1 4 5 time is 5:03 p.m. (Following a short recess at 5:03 p.m., 6 7 proceedings continued on the Record at 5:06 p.m.) VIDEOGRAPHER: We are back on the Record. The time is 5:06 p.m. MR. DEIHL: 8 9 Before I get back on the Record, just a housekeeping matter, Claire, I'm told that I was -- a motion for admission for pro hac vice was filed earlier today on my behalf and I signed it, so we're clear on that. MS. XIDIS: Thank you. 10 05: 06PM 11 12 13 Thank you. 14 Q Mr. Chapman, as part of your responsibilities to oversee the project management of this project, 15 05: 07PM 16 did you keep track of the fees that Stratus and its 17 consultants were charging to the plaintiffs? A I kept track of the charges that Stratus made. I did not control the fees or charges that other consultants had that we didn't have anything to do 18 19 20 05: 07PM 21 22 with. 23 To date, how much has Stratus charged in connection with this project? About 4.3 million dollars. 25 05: 07PM 0224 And that does not include the fees of the 123456789 other authors of the report; is that correct? A The other authors of the report bill directly to the clients. So I'd have to ask them how much they charged? 05: 07PM Q Does that include the fee that Westat charged? Q Does it include the fee that Dr. Bishop has 10 05: 08PM charged? It includes his direct cost to them, yes. 11 His direct cost to them? 12 Q Yeah -- no. I'm sorry. Our amount includes a 13 fee on Dr. Bishop that we charge. Q Okay. Mr. Chapman, I've handed you what's been marked as Deposition Exhibit No. 15, which is 14 15 05: 08PM 16 an E-mail from Dr. Morey to you dated April 5th, 17 2007 and it says show them the alum before they 18 19 leave the room. Do you know what that's referring 20 05: 09PM to? 21 I have no idea. O Okay. Do April 5th, 2007? 22 Do you know where you were on or about 23 I'd have to look at my calendar. Okay. Mr. Chapman, I've handed you what's 24 25 05: 09PM 0225 been marked as Deposition Exhibit 16, which is an E-mail chain. The first E-mail is from David Page to Kevin Boyle dated September 26th, 2007. Below that is an E-mail from Kevin Boyle to David Page and you were copied on that dated also September 26th, 2007, and in the text of that E-mail Mr. Boyle 05: 10PM 6 states, at the Boulder meeting, I supported hiring an additional consultant because I felt that experts Page 93

	Chapman, David.txt	
12	Q And what time frame would you have been	
13	reviewing those types of materials?	
14 15	A 2005 on, 2004, late 2004, 2005 on. Q Okay. Is it your belief that there are news	05: 26PM
16	reports that speak to runoff and leachate and	03. 201 W
17	attributing those those particular types of	
18	events to the application of poultry litter in the	
19	watershed?	0E. 24 DM
20 21	A Again, those MS. XIDIS: Objection to form.	05: 26PM
22	A those were the sources I was looking at for	
23	that and as I said, those could be when you asked	
24	me what are the lesser ones, I said those could be	05 0/511
25 0238	the ones that were there, too.	05: 26PM
1	Q Would those newspaper articles have been	
2	presented to the defendants or produced as part of	
2 3 4 5 6	your considered materials in the case?	
4	A I think they should have been, yeah. I would	0F 0/PM
5	think they would have been.	05: 26PM
7	Q So you think those types of materials that you reviewed would be included in the materials you	
8	produced in the case?	
9	Ä I think so, yes.	
10	Q If they're not, did you maintain any type of a	05: 27PM
11 12	file where those materials are kept that you might access or get them to the defense relatively easily?	
13	A If I had them, they were turned over.	
14	MS. XIDIS: And if I have them, you have	
15	them.	05: 27PM
16 17	Q That's not exactly my question. My question was, did you keep a file of those types of materials	
18	as you reviewed them?	
19	A If I kept a file of them, I would have turned	
20	them over.	05: 27PM
21 22	Q Did you keep a file of them?	
23	A I don't I didn't personally keep a file of them, no.	
24	Q Do you know whether anyone else at Stratus did	
25	keep such a file?	05: 27PM
0239	A loom! total you that as I sit have I'd have	
1 2	A I can't tell you that as I sit here. I'd have to go back and check.	
3	Q As to the damages numbers you give in each of	
4	the two reports or the range that you give that	
5	you've already testified to, do you attempt to	05: 27PM
6 7	determine in any way what part of those damage	
8	numbers you believe are caused by any particular defendant in the case?	
9	A No, we do not.	
10	Q Do you attribute those damages numbers in your	05: 28PM
11	report to any particular fields or locations within	
12 13	the Illinois River watershed? A No, we do not.	
14	Q Are you aware of any other manmade reservoirs	
15	that are located in the same ecoregion as Lake	05: 28PM
16	Tenkiller where the water quality or the aesthetics	
17 18	have remained unchanged since 1960?	
19	A I am not an ecologist, so I'm not sure what you mean by ecoregion.	
20	Q Okay. Are you aware of any other reservoirs,	05: 28PM
21	manmade reservoirs in Oklahoma or Arkansas that have	
22	remained unchanged aesthetically since 1960?	
	Page 99	

8 9 10 11 12	Chapman, David.txt replaced with commercial fertilizer and that fertilizer contained the same type of nutrients that poultry litter contains, would that be something that would be important to your survey? MS. XIDIS: Objection to form.	05: 31PM
13 14 15 16 17 18	Q If you're replacing phosphorus in litter with phosphorus in commercial fertilizer, would that have an impact on a respondent's willingness to pay? MS. XIDIS: Objection to form. A I don't believe so because I think applying fertilizer in a commercially bought fertilizer	05: 31PM
19 20 21 22 23	would be applied in a way that it didn't wasn't applied excessively and didn't run off into the rivers and lakes and cause damage. So I don't think it would affect the answers. Q What's the basis for your belief regarding the	05: 32PM
24 25 0243	application of commercial fertilizer? A You just asked me what I believed and I told	05: 32PM
1 2 3 4 5 6 7 8	you what I believed. Q And I'm asking you the basis for that belief. A Just thinking about how if I was a farmer and I had to buy fertilizer, what I would do. Q So it's just your personal belief? A You asked me what my belief was. I told you I'm not an agronomist; I'm not a farmer. Q Did you inform the respondents and, again, you	05: 32PM
8 9 10 11 12 13	as Stratus or the surveyors, whomever you want to stick in to you, inform the respondents that the use of poultry litter as a fertilizer both in Oklahoma and Arkansas is a regulated activity? A I'd have to look. Let me look to see if we	05: 33PM
14 15 16 17 18	said anything like that in the survey. All we said is that people had been doing it for a long time and now there's more put on than necessary. Q Okay, and what's the basis for your the factual statement that more is put on than	05: 34PM
19 20 21	necessary? A From conversations with the natural scientists.	05: 35PM
22 23 24 25 0244	Q Okay. Do you know what their basis was for those statements? A You'd have to ask them. Q Did you review any of the poultry regulations	05: 35PM
1 2 3 4 5 6	or poultry statutes enacted by the State of Oklahoma regarding the land use of poultry litter? A I personally did not, no. Q Okay. Did anyone on the Stratus team? A I couldn't speak to that. Q Okay. If the State of Oklahoma sets out how	05: 35PM
7 8 9 10 11	much litter can be applied on any specific pasture, would that be something that would be important to your survey? MS. XIDIS: Objection to form. A I don't believe so, no.	05: 35PM
12 13 14 15 16 17	Q Okay. Why not? A Because that's not part of the scenario that we're giving people in the survey. Q Okay. If the reality is the State of Oklahoma tells the farmer how much litter he can apply to a specific field and that differs from the scenario that you're giving to respondents, what impact does Page 101	05: 36PM

19 20 21 22 23 24 25 0245	Chapman, David.txt that have on a willingness to pay? MS. XIDIS: Objection, form. A I can't answer that question because I we didn't test that out, and I don't know how that would affect willingness to pay. Q Okay, and I ask that question because your testimony earlier to Mr. Deihl was to the effect it	05: 36PM 05: 36PM
1 2 3 4 5 6 7 8	didn't matter what the solution to the problem was so long as it was plausible, and what I'm understanding now is it doesn't matter what your initial how your definition of the problem whether it reflects reality or not? A No, I didn't say that. MS. XIDIS: Objection. Q Okay. Well, explain to me where I'm misunderstanding.	05: 36PM
10 11 12 13	A I don't know where you're misunderstanding. I'm sorry. Q Well, you've got the real situation. The State of Oklahoma regulates the land application of	05: 37PM
14 15 16 17 18	poultry litter. You understand that? A As you state it, yes, I understand it. Q Okay. A I haven't read the regulations. I'm not a lawyer. I don't live in Oklahoma. I can't tell	05: 37PM
19 20 21 22 23	you. Q Okay, and that wasn't anything that was considered in preparing the survey instrument; is that my understanding? A I did not look at the regulations.	05: 37PM
24 25 0246	Q Okay. Did anyone at Stratus Look at the regulations?	05: 37PM
1 2 3 4 5 6	MS. XIDIS: Objection, asked and answered. A Again, I don't know what other people at Stratus did, everything that they did. Q Okay. You've testified that you were involved with developing this entire report?	05: 37PM
7 8	A Yes. Q Was the consideration of poultry litter regulations part of the process that led to this	03. 371 W
9 10 11 12 13	report? A I didn't specifically and I don't believe I didn't specifically look at the poultry regulations. Whether other members of the team looked at poultry regulations and how that influenced their decisions	05: 38PM
14 15 16 17 18 19 20 21 22 23 24	in the report, I don't I can't tell you. Q Okay. How was the initial scenario, the definition of the problem, how was that developed? A Through conversations of the team, through discussions with the natural scientists and through,	05: 38PM
	yeah, conversations with the team and the natural scientists. Q Did you or to your knowledge anyone at Stratus ever speak with anyone at any of the Oklahoma administrative agencies, such as the Oklahoma Department of Agriculture or the Department of	05: 38PM
25 0247 1	Environmental Quality, the Water Resource Board, the Conservation Commission?	05: 39PM
2	A Yes. Q Who did you speak with or who was involved in Page 102	

```
the process?
 5
                                                                                05: 39PM
             I spoke with -- what's his name? He was the
 6
7
     head of the environment program, the environment
     commissioner, whoever he was at the time. I'm
              I'm blanking on his name at the time.
 8
 9
              Steve Thompson?
10
     Α
                                                                                05: 39PM
              No.
11
     0
              Miles Tolbert?
              Yes, Miles, and I spoke with -- I didn't speak
12
     with but people from Stratus spoke with people from
13
     the Scenic Rivers Commission.
14
15
              Okay. Do you know who they spoke with at the
                                                                                05: 39PM
     Scenic Rivers Commission?
16
              It would be Ed Fite.
17
18
              Did you personally speak with Mr. Tolbert?
19
     Α
20
              And what were your conversations with Mr.
                                                                                05: 40PM
21
22
              They were about what's going on out there in
23
     the environment and --
24
             Okay. Can you make that a little more
25
     speci fi c?
                                                                                05: 40PM
0248
              It was quite some time ago. I'm sorry.
 2
     was about what's going on out in the environment and
     what his understandings of things were.
              Okay, and when you're saying the
 5
6
7
     environment --
                                                                                05: 40PM
              The Tenkiller Lake, Illinois River area.
     Q Okay, and what's going on, what's --
A Changes in the environment, the effects that
he understood from the poultry litter.
Q Okay, and were these conversations all
 8
 9
10
                                                                                05: 40PM
     regarding the use of poultry litter?
11
              We talked about a number of different things.
12
     I mean, they're all about this, around the study.

Q Okay. Did you talk about alternative sources
13
14
15
     of phosphates or nitrates or any of the other
                                                                                05: 41PM
16
     substances?
17
              I don't believe we did, no.
              Did you meet with anyone in -- as part of your
18
     preparation for this deposition?
19
20
                                                                                05: 41PM
              Yes.
21
              Who did you meet with?
22
              I met with Claire and Ingrid.
23
     Q
                     When did you meet with them?
24
              Yesterday starting around noon. Given I was
25
     just given notice on Friday, that was the soonest I
                                                                                05: 41PM
0249
     could get here.
              Okay, and how long did that meeting last?
From 12:30 until 5:00 or so. I was pretty
 2
     Q
     Α
 4
5
     tired.
              Okay, and what did you do; what was the
                                                                                05: 41PM
     purpose of that four and a half hour meeting?
              To talk about what would go on here today, to
     talk about the process that we would go through, things like that.

O Did you review any documents?
 8
 9
10
                                                                                05: 42PM
              I reviewed my main report and the appendix and
11
     the past damages report.
12
              When you say appendix -- I'm sorry, Volume II, which I consider to be
13
14
                                            Page 103
```

```
0252
              Probably in January.
 2
               January 2009?
      0
      Α
               Yes.
 4
              Okay, and what was the subject of that
 5
      conversation?
                                                                                    05: 47PM
 6
7
              That we were delivering our report.
              Anything else?
 8
              That was the last time we talked. I told her
 9
      we were delivering the report. It was out the door
10
                                                                                    05: 48PM
      and on time.
               Did Miss Burch -- did you provide any of the
11
      survey materials to Miss Burch for her review?
12
              At certain points I did, yes.
And how were those materials transmitted?
13
14
              I probably would have E-mailed them to her.
And would those E-mails, would you have
15
      Α
                                                                                    05: 48PM
16
17
      produced those in your considered materials?
18
              Yes.
                  MR. HIXON: I will pass the witness.
19
                           DIRECT EXAMINATION
20
21
      BY MR. ELROD:
22
      {\tt Q} {\tt Mr.} Chapman, my name is John Elrod, and I'm sorry I haven't been here for the entire day, but I
23
24
      think I have some new questions to ask. Some of
25
      them will be similar to the ones that were just
                                                                                    05: 48PM
0253
      asked. That's what prompted them. Did you tell the
 2
      survey respondents that it was the public policy of
      the State of Oklahoma that people in the IRW be
      permitted to land apply chicken litter as
 5
                                                                                    05: 49PM
      fertilizer?
 6
               We said it had been done for many years.
 7
              But you did not tell them it was the public
 8
9
      policy of the State of Oklahoma that it was
      permissible to do?
10
              I don't believe we used the word public
                                                                                    05: 49PM
11
      policy.
                We said they had been doing it for a long
12
      time.
13
              And did Ed Fite -- when you talked with Ed,
      did he tell you that, quote, the river is still in pretty good shape, unquote?
14
15
                                                                                    05: 49PM
16
               Ĭ didn't talk to Ed Fite directly. As I said,
      one of my staff members did.
17
              Do you know whether Ed Fite told your staff
18
19
      member that the river is, quote, the river is still
      in pretty good shape, end quote?

A I have no idea.
20
                                                                                    05: 49PM
21
      Q Did you ask -- did you tell your survey respondents that the river is still in pretty good
23
24
      shape?
25
              We told them -- we described to them the
                                                                                    05: 49PM
0254
      condition of the river as presented in the survey. Q ____So you did not tell them that the river is
 2
3
      still in pretty good shape?
     A I don't know whether the respondents took the information we presented about changes that are currently there and said they would throw that in the category of things are still in the pretty good
 5
                                                                                    05: 49PM
 6
 7
 8
      shape, so we told them -- we told them what was
      currently going on. We told them what would be
      going on in the future if things weren't changed.
                                                                                    05: 50PM
10
                                               Page 105
```

